

TABLE 1

| TRANSMISSION FILTER | TS1 | | TS2 | | TS3 | | TS4 | |
|------------------------|-------------|----|-------------|-----|-------------|-----|-------------|----|
| | D(μ m) | M | D(μ m) | M | D(μ m) | M | D(μ m) | M |
| | 85 | 90 | 42.5 | 90 | 84 | 86 | 60 | 60 |
| RECEIVING FILTER | RxS | | RS1 | | RS2 | | RS3 | |
| | D(μ m) | M | D(μ m) | M | D(μ m) | M | D(μ m) | M |
| | 124 | 90 | 124 | 90 | 62 | 90 | 62 | 90 |
| | | | RP1 | | RP2 | | RP3 | |
| | | | D(μ m) | M | D(μ m) | M | D(μ m) | M |
| | | | 102 | 120 | 102 | 120 | 76 | 80 |

TABLE 2

| | BRANCHING FILTER CIRCUIT FREQUENCY ADJUSTING LC ELEMENT | | TRANSMISSION FILTER | | | | RECEIVING FILTER | | | |
|-----|---------------------------------------------------------|---------------------------|---------------------|------|------|------|------------------|------|------|------|
| | | | 1.22 | 1.17 | 35.7 | 36.8 | 31.6 | 58.5 | 3.11 | 3.04 |
| I | LT=0 (mm) | LR=40 (mm) | | | | | | | | |
| II | LT=0 (mm) | LR=0 (mm) | 3.56 | 3.21 | 37.9 | 28.6 | 33.0 | 55.6 | 3.11 | 2.32 |
| III | LT _{ANT} = 7 (nH) | C _{ANT} = 7 (pF) | 1.28 | 1.28 | 36.6 | 35.0 | 34.1 | 59.0 | 3.28 | 3.20 |
| IV | LT _{ANT} = 7 (nH) | | 1.30 | 1.32 | 34.7 | 33.2 | 35.1 | 58.5 | 3.74 | 4.0 |
| V | LT _{ANT} = 10 (nH) | | 1.37 | 1.08 | 36.1 | 29.2 | 35.5 | 54.7 | 3.10 | 3.70 |

TABLE 3

| | | TRANSMISSION FILTER | | | | | | RECEIVING FILTER | | | | | |
|----|------------------|---------------------|---------|--------|--------|--------|--------|------------------|--------|--------|--------|-----|--|
| | | FREQUENCY (MHz) | 890 | 900 | 915 | 935 | 960 | 890 | 900 | 915 | 935 | 960 | |
| II | REAL NUMBER | 1.283 | 0.8627 | 1.345 | 2.313 | 0.0831 | 0.0127 | 0.0175 | 0.0320 | 0.606 | 0.7414 | | |
| | IMAGINARY NUMBER | -0.816 | -0.6256 | 0.5287 | 0.8715 | -4.017 | -1.098 | -0.934 | -0.654 | -0.017 | 1.263 | | |
| IV | REAL NUMBER | 1.283 | 0.8627 | 1.345 | 2.313 | 0.0831 | 3.540 | 4.7507 | 0.435 | 0.875 | 0.2421 | | |
| | IMAGINARY NUMBER | -0.816 | -0.6256 | 0.5287 | 0.8715 | -4.017 | 23.20 | | | 0.0479 | 1.150 | | |